KLA TENCOR CORP

Form 4

September 15, 2010

#### UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB APPROVAL** OMB

3235-0287 Number:

Expires:

January 31, 2005

Estimated average burden hours per

0.5

response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person \* **BARNHOLT EDWARD W** 

(Street)

(State)

09/14/2010

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

KLA TENCOR CORP [KLAC] (First) (Middle) (Last)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year) 09/14/2010

\_X\_\_ Director 10% Owner

(Check all applicable)

Officer (give title below) Chairman of the Board

\_\_X\_\_ Other (specify below)

C/O KLA-TENCOR CORPORATION, ONE **TECHNOLOGY DRIVE** 

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

\_X\_ Form filed by One Reporting Person Form filed by More than One Reporting

MILPITAS, CA 95035

(City)

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3) (Month/Day/Year)

3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of Securities Beneficially Owned Following Reported Transaction(s)

(Instr. 3 and 4)

6. 7. Nature of Ownership Indirect Form: Direct Beneficial (D) or Ownership Indirect (I) (Instr. 4)

(Instr. 4)

D

(A) or Code V Amount (D) Price

10,000 M

30,289 (1) 26.25

Common Stock -

Common

Stock

Restricted 4,721 D

Stock Units

(2)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form

SEC 1474 (9-02)

#### Edgar Filing: KLA TENCOR CORP - Form 4

# displays a currently valid OMB control number.

# Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amoun Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (Right to Buy)	\$ 26.25	09/14/2010		M	10,000	(3)	11/10/2010	Common Stock	10,0

### **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

BARNHOLT EDWARD W C/O KLA-TENCOR CORPORATION ONE TECHNOLOGY DRIVE MILPITAS, CA 95035

X

Chairman of the Board

## **Signatures**

Brian M. Martin as Attorney-in-Fact for Edward W.

Barnholt

09/15/2010

\*\*Signature of Reporting Person Date

# **Explanation of Responses:**

- \* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Shares acquired through cash exercise of stock options.
- (2) Each restricted stock unit represents a contingent right to receive one share of KLA-Tencor common stock.
- (3) The options were originally granted for 10,000 shares of KLA-Tencor common stock and were immediately exercisable for all of the underlying shares on the date of grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2